

## 12

## Claims

1. A waste storage device including a waste storage cassette receiving chamber and a waste storage cassette rotator rotatably mounted in the chamber and configured to engage a waste storage cassette for rotation thereof relative to the chamber.
2. A device as claimed in claim 1 in which the waste storage cassette rotator includes a formation arranged to engage, in use, a co-operating formation on a waste storage cassette for rotatable engagement.
3. A device as claimed in claim 1 or claim 2 in which the waste storage cassette rotator further includes a formation for supporting a waste storage cassette for rotation thereof.
4. A device as claimed in claim 1 or claim 2 in which the waste storage cassette receiving chamber includes a formation for supporting a waste storage cassette for rotation thereof.
5. A waste storage cassette for a waste storage device, the waste storage cassette including inner and outer walls defining a waste storage tubing receptacle therebetween, the inner wall having a central portion through which, in use, tubing passes, the waste storage cassette further having a rotator formed on a portion remote from the central portion.
6. A cassette as claimed in claim 5 in which the rotator is formed on the cassette outer wall.

## 13

- 5 7. A waste storage device comprising a waste storage cassette chamber for receiving a rotatable waste storage cassette containing tubing for enveloping waste, the device further comprising a throat for passage of enveloped waste into a waste storage chamber, in which an enveloped waste gripper is provided in the throat, the enveloped waste gripper comprising a flexible grip region around an enveloped waste aperture.
- 10 8. A device as claimed in claim 7 in which the enveloped waste gripper is a flexible diaphragm.
9. A device as claimed in claim 8 in which the diaphragm has a central enveloped waste aperture.
- 15 10. A device as claimed in claim 9 in which the aperture includes peripheral lobes defining gripping fingers.
- 20 11. A waste storage device comprising a waste storage cassette chamber for receiving a rotatable waste storage cassette containing tubing for enveloping waste, the device further comprising a throat for passage of enveloped waste into a waste storage chamber, in which an enveloped waste guide is provided in the throat to guide enveloped waste, in use, towards a waste storage chamber wall.
- 25 12. A device as claimed in claim 11 in which the enveloped waste guide comprises a guide aperture.
13. A device as claimed in claim 12 in which the guide aperture defines a flap portion opening towards the waste storage chamber wall.

## 14

14. A waste storage device comprising a waste storage cassette chamber for receiving a rotatable waste storage cassette containing tubing for enveloping waste, the device further comprising a waste cassette chamber lid including a rotatable tubing cutter and a releasable self-locking detent releasable to allow one uninterrupted full rotation of the cutter.
15. A device as claimed in claim 14 further comprising a ratchet associated with the rotatable cutter to permit uni-directional rotation only.
16. A waste storage cassette for rotational mounting on a waste storage device, the waste storage cassette having an outer wall and a formation provided thereon arranged, in use, to engage a co-operating formation of a cassette rotator for rotation of the cassette.
17. A waste storage cassette for rotational mounting on a waste storage device, the cassette having a cassette mount projecting from the outer wall to allow rotation of the cassette when mounted.